

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045441 A1

(51) International Patent Classification⁷: **G01N 33/68**

(21) International Application Number:
PCT/GB2004/004621

(22) International Filing Date:
1 November 2004 (01.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0325483.6 31 October 2003 (31.10.2003) GB

(71) Applicant (for all designated States except US): **PLAS-MACUTE AS** [NO/NO]; Thormøhlensgt 55, N-5008 Bergen (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PARKER, David** [GB/GB]; Novel Diagnostics ASA, Crown House, Home Gardens, Darlford, Kent DA1 1DZ (GB).

(74) Agent: **FRANK B. DEHN & CO.**; 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/045441 A1

(54) Title: ASSAY

(57) Abstract: The invention relates to a method of determining the amount or presence of antibodies to an immunogen in a blood sample comprising at least the steps of detecting the amount or presence of plasma antibodies or parts thereof and lymphocyte antibodies or parts thereof in said sample, wherein said plasma and lymphocyte antibodies are detected together or in separate assays and determination of their combined amount or presence determines the amount or presence of antibodies to said immunogen. Uses of the method in high throughput screening, screening of blood bank samples and in diagnosis are also provided.